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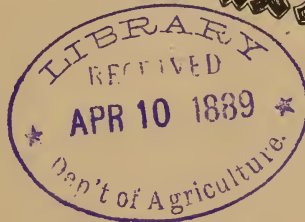


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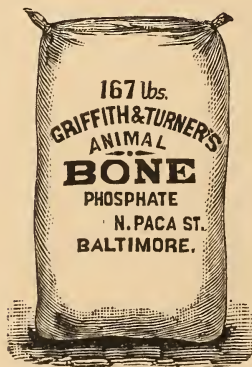
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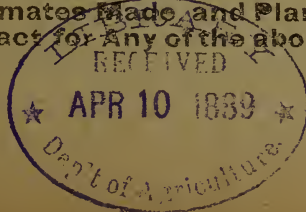
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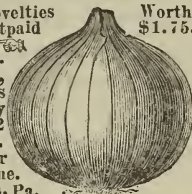
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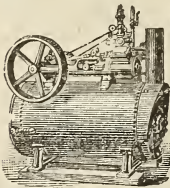
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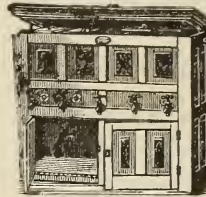
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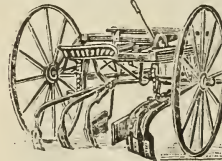


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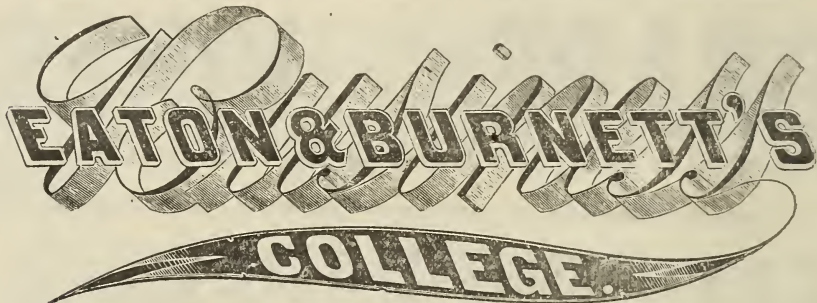
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THE OLDEST AGRICULTURAL JOURNAL IN MARYLAND, AND FOR TEN YEARS THE ONLY ONE.

AND NEW FARM,

Vol. XXVI.

BALTIMORE, April 1889.

No. 4.

SOLD TO STRANGERS.

The worn out blinds hang loosely,
The paint is nearly gone,
The creaking gate swings idly,
The old place looks forlorn;
The myrtle mound is grass grown,
That blossomed years ago,
And one by one have vanished
The flowers I used to know.

The ancient tree whose cherries
Rejoiced my childish heart
Stands leafless, grim and groaning;
The arbor's dropped apart—
That arbor in the garden
Where honeysuckle twined;
The once broad path that led there
Is now but ill defined.

The dear, quaint old mansion,
It held our kith and kin
For eighty years and over,
Till they were gathered in.
And now it goes to strangers;
Its glories all are fled
Since those who built the hearth fire
Are numbered with the dead.

While we who loved it fondly
Must give a parting sigh,
A farewell look, and sadly
Forever pass it by.
And still the fragrant lilies
May bloom beside the door,
But strangers' footsteps echo
Across the oaken floor.

—Boston Transcript.

PROMISING THINGS.

The demand of farmers upon the consideration of their fellow countrymen are by no means extravagant, even when the utmost radical measures for their welfare are insisted upon by them. That they are gradually obtaining a recognition of their needs is visible in the more willing appropriation of moneys, by the general government and the different States, for the purposes of Agriculture.

Colleges.

The establishment of Agricultural Col-

leges in the different States was a long step in the right direction, and although the farmers may justly complain that the funds are in very many cases misappropriated to such an extent that they reap but little advantage from them, yet this will eventually be corrected as the subject is more fully agitated in the influential press.

Benefits for all.

We are decidedly of the opinion that regulations should be made in connection with every Agricultural College that the fund given by the general government should be made to reach the needs of every farmer's sons and daughters who are willing to be benefitted by an improved knowledge of their pursuits.

No Greek and Latin.

We do not think that a single cent of these appropriations should be expended on Greek and Latin and their corresponding collegiate studies; but that all should be devoted to actual practical pursuits of our daily experience, giving a knowledge of every improvement in agricultural mechanism and the true modern principles of enriching the soil; of cultivating, caring for, and marketing crops; of selecting, feeding, housing and disposing of each department of stock.

Why not excluded.

It may be objected that the section of the bill referring to the studies to be pursued in these colleges expressly provides that classical studies should not be wholly forbidden. But it is well to consider the reason of this clause. The debates show that it was not meant to establish such studies in any new institution which might be formed; but to enable the several States to add such an institution, wholly devoted to Agriculture and such Mechanic Arts as agriculture stood in need of, to any college then existing which might be favorably

situated for such an Agricultural establishment.

Why oppose it?

We have ourselves pursued a classical course of Greek and Latin; but having wasted our time ourselves we have become opposed from principle to such waste of time and energy by those who need development and progress in the practical affairs of their every day farming experiences. These institutions should be recognized as belonging to a class intensely practical in all their wants and who demand that whatever is taught should not be of a speculative nature merely; but must be of practical value on the farm.

Dissatisfaction.

It cannot be concealed that there exists a wide-spread dissatisfaction among the farmers in all parts of our country, with the present conduct of our Agricultural Colleges. This has arisen, however, not from the disposition to find fault, not from the general indifference to progress, not from any lack of a spirit of enterprise; but from the evident fact that in these institutions, ostensibly devoted to agricultural education, everything else is given prominence to the evident injury of agriculture, and the farmer's son is taught to condemn the very idea of farming and leaves the college to take up any other occupation rather than agriculture.

All will come right.

We have faith, however, that these things will gradually be remedied. That the Agricultural Colleges will be made to fulfil the purposes for which they were originally intended and will become a positive blessing to the farmers of our country even in a greater degree than was expected by those who first sought their establishment.

Experiment Stations.

The establishment of Agricultural Ex-

periment Stations is another step in the right direction, and if the spirit of the law is carried out by those who have these stations in charge, they will not only become themselves one of the great aids to agricultural prosperity; but they will help to bring Agricultural Colleges into the line in which they were originally intended to stand.

We do not propose to speak of the practical work of these stations at present. They are yet in their infancy. They are, however, already rich in promises. We rejoice in the energy that seems to inspire those who have them in charge and we feel like doing everything in our power to strengthen their hands and build up for them a sustaining public opinion until they have had the time to develop their use.

Secretary of Agriculture.

We are glad of the progress of farming interests in position thus given to agriculture in the counsels of our government. Much will depend upon the wisdom of the appointment of the President, and while we know not at this present writing what the qualifications for this position are in the present Secretary, we shall of course wait for future developments before we express any opinion. But we can only say now, that if we were blessed with a Farmer President instead of a Lawyer President, this Secretary of Agriculture would be some prominent farmer, devoted heart and soul to the farming interests of the country, with an eye single to the great future of our land, which depends so completely upon the prosperity of its farmers. It may be that Sec'y Rusk will prove to be such, and we sincerely hope he will. We have great faith in the general character of the wide awake men of the North West, and we shall be greatly disappointed should this faith be shattered.

In these things we see some of the great

additions which are promising an era of progress to the farming interests, and while we have confined ourself to these outward evidences of the elevation of our pursuit, we could add much in minor details to show the coming of a better and brighter estate for the tiller of the soil in our country.

Speed the day when to hold the plough will be the greatest title of honor that can be bestowed upon any man in our land.

It will be a long day before the markets for early vegetables, early chickens, early fruits will be glutted. Never be fearful. Be among the first and you will find high prices.

INSECT DESTROYERS.

For the Currant or Gooseberry worm use White Hellebore, *Veratrum album*. It can be dusted on the plants with a dredging box or a bellows, first going over bushes and sprinkling them with water. Or, powder can be used in water, one ounce to three gallons of water, applying with a whisk broom, a sprinkling can, or a hand force pump.

For the Cabbage caterpillar, the Insect Exterminator, and the Pyrethrum powder, are both sure in their effects. They can be dusted on the plants with a bellows, and this is the best means of applying them; some recommend using the powder in water, one ounce to a gallon of water, applying it with a force pump, but carrying water is more laborious and sometimes can be provided only with considerable difficulty; besides, it is unnecessary, as the worms are on the outside of leaves, and can always be reached by the dry powder. Cabbage and Cauliflower growers provided with bellows and the Insect Exterminator can bid defiance to this pest.

The Cherry and Pear slug can be destroyed by the Exterminator or by Pyrethrum powder, an ounce to three gallons of water, applied with a force pump.

Orchardists should not fail to use the means now at their disposal for the sure destruction of the codlin moth, the great pest of the apple orchards, and producing greater loss therein than all other causes. Paris green or London purple, [Those who do not like poison—and we do not—will use pyrethrum—Ed. M. F.] one pound to two hundred gallons of water, applied to the trees with a force pump, will kill this insect. The application should be made promptly at the time the blossom is falling, and again about two weeks later. This substance at the same time rids the trees of canker worms, leaf rollers and the tent caterpillars.

The curculio, which stings Plums, Cherries, and sometimes Pears, can be destroyed by the same means as the codlin moth, applying the liquid at the time the blossoms fall, and twice again at intervals of ten days.

Plant lice of all kinds, and many other insects can be destroyed by the kerosene emulsion, or mixture of kerosene and soap. It can be prepared by taking soft soap one quart, or hard brown soap, or, what is still better, whale oil soap, one fourth pound; two quarts hot water, and one pint kerosene. Stir till all are permanently mixed. Then to one part of this mixture add fifteen parts of water. A force pump is the best instrument to apply it with, as a powerful stream sends it into cracks and seams not otherwise reached.—VICK'S MAGAZINE for March.

Ducks are becoming the favorite Poultry in our Eastern States. Many dealers are turning their principal attention to the raising of ducks and claim they realize at the very least 500 per cent as profit.

WHY AND HOW.

One reason why farmers cannot unite and secure better legislation is their vast diversity of views. On no question of local, or national importance do our farmers agree. They are disputing among themselves, spending their time in useless argument when they should be firmly united. How can they expect any relief, or any benefit from government legislation when one half of them are sure to be found pulling against the other half. The only way for farmers to protect their interests and secure fair legislation is to find out what they want, lay all prejudice and party influence aside, organize and unite on the best means of increasing the prosperity of the country.

Weeds are bold robbers. They steal your wealth from the land day and night. They shorten your crops, carry away your grain and laugh at your empty pocket book. Kill them.

In setting hens you should arrange your nest so that the hen will not step down upon the eggs. This brings the breakage to the lowest possible figure.

GOOD IDEAS, NOT WORDS, Borrowed From Our Exchanges.

Hired Help.

It is very important to consider in the beginning of the season the amount of work to be done, and then to prepare early for the number of hired men who will be needed. Also, the quality of work to be done and the capacity of workmen to be hired. Also, the fact of contact with the younger members of the family, and the moral character and good habits of the workmen.

Then it is important that the workmen be adequately paid to make one and all

feel perfectly contented and cheerfully willing to accommodate every member of the household as occasion may require.

Borrowing.

Farming implements, tools and machines, should not be borrowed. Besides the wear and liability to get out of order, there is the sense of dependence created by borrowing which lessens self-respect.

It is better for the owner to accept, and the one, not able to purchase the machine, to pay a reasonable price for the use of it.

Then let both parties be made comfortable by the prompt use and return of the hired article.

Small farmers might club together and buy the more costly machines where the amount of work on single farms is not sufficient to warrant any one of them to purchase.

Trusts.

No other class of the community suffers so much from the trusts as do the farmers.

No other class can do as much towards destroying the power of trusts, if the farmers would work together. The great trusts, beginning with the oil and sugar trusts and ending with the bagging and twine trusts, are supported very largely by the farmers and did the farmers resolve to do away with them, their destruction would be only a matter of a very short period.

Gambling in Fairs.

The discussion of this subject shows a growing feeling among farmers that it should be prohibited; and that all indecent side shows, all intoxicating beverages, and everything which has a demoralizing influence—or which is gathering in money without giving any adequate return—should also be prohibited. This discussion appears to be spreading throughout the entire country.

We see, also, that since the magnificent

success of the William's Grove Fairs, without horse racing, this, too, is getting to be looked upon as not very desirable.

Silos.

When it is understood that four Cows can be supported for every one now kept on the farm, if the Silo is used, a very great opening is made for improvement in the condition of farmers. Four cows instead of one not only means more milk and butter; but it means more pigs and poultry to eat up the extra skim milk, more manure for enriching the land, very much more money from the extra produce, and consequently more prosperity and happiness. The income is vastly greater, and far less need be expended abroad to make the farm productive.

Yellow legs and flesh should be your rule in selecting stock poultry for marketing purposes. They may not be as sweet or tender or fine grained as the white; but they take the popular fancy and you must submit.

VEGETABLE AND FRUIT GARDENS.

Is it too much for us to urge once more the value of a vegetable garden and of a fruit garden on every farm? It is not meant a little seven by nine patch of ground upon which scarcely a taste of anything can be grown; but we mean a good generous space, properly enriched, and where an abundance can be raised to supply the earliest the best and all that may be needed in the family for the entire spring summer and fall.

Some farms have a small square of ground—too small for the horse and plow—where vegetables and fruits and flowers are crowded together without system and

with very little thought of their usefulness.

Some farms, we are sorry to say do not even have this much.

An acre devoted to vegetables and an acre devoted to the small fruits, would be the most profitable part of the farm in supplying the family table and in preserving the health and happiness of every member of the family.

Such a piece of ground can be worked with so much advantage; requiring comparatively little hand-work; the plow and the cultivator with horse power doing almost the entire work: that it is almost inexcusable that so many neglect their best interests in this matter.

Fresh vegetables from early spring until the field crops are all harvested and housed! Fresh fruits from the luscious strawberries in their season through all the round of small fruits, until the orchard yields its bounties for the winter store! Who can measure the amount of comfort and enjoyment, of health and happiness, the very mention of these things suggests to us?

Commence to work at once upon reading this article—it is not too late to have at least a portion of these things this present year, and to prepare for their full supply hereafter.

The cow stable and the hog pen composts are the best supply for the enrichment of these gardens, mixed thoroughly into the soil at a good depth.

You know what to plant as well as we can tell you: but don't be afraid to put in plenty of seed, plenty of plants, plenty of all that you may resolve to grow. Nothing can possibly be wasted. You will find use for it all—such use as will be both a blessing and a joy to you and to your household.

Clean up the yard, spread the ashes on the garden, bury the bones, old boots and shoes around the grape vines.

GATHERED CRUMBS.

A valuable lawn dressing is made by burning refuse piles with old sod thrown on to become charred and cause the whole to smoulder. The product is rich and cheap, and is within the reach of everybody.

We hear some reports of decided success with Blueberries by transplanting from their native localities by cutting sods and setting into sod ground. They do not succeed in cultivated ground, but in an old worn out pasture the transplanted sods will spread, and when established, give from 25 to 50 bushels to the acre.

Many farms are put through a sort of *skinning* process, which renders them poorer year by year. Any system which will rob the farm is bad farming, and should be abandoned.

The pigs usefulness as a mixer, turner and finer of the manure heap need only to be alluded to. There seems to be a value given to manure worked over by pigs which neither the theory of the philosopher nor the crucible of the chemist can account for. Yet it is positively there.

Give the boys a chance to develop their judgment in regard to horses. It may be money in their pockets in the future.

Look at the highways neatly rounded by road-making machines and compare the work with the bumpy vexations of the old way, then decide which is preferable.

A Washington Territory farmer sent a large lot of corn to market. After the freight agent, the middlemen and commission merchants had got through with it, the farmer's share was forty-three cents per carload.

After the cold waves have come and gone the amateur bee-keeper, anxious as to

the condition of his bees, is liable to thump on the hives or in some way disturb them to see if they are yet alive. This should never be done, for in so doing the bees will fill themselves with honey, which proves very injurious, engendering dysentery.

Sifted coal ashes spread in the drop behind cattle, says a contemporary, are an excellent absorbent, and if any wood ashes are mixed with them they will be saved. Use plaster freely about the stables to absorb the ammonia and keep them sweet and clean.

An old farmer being asked the secret of his large crops replied:—"I tell my men to harrow the ground until they think it is harrowed twice as much as it ought to be, and then tell them it is not harrowed half enough." Few farmers properly appreciate the value of a thoroughly mel-low soil.

Time intelligently given to bees will pay equally well with that given to any other kind of farm work, and where too many are not kept it may be done at such times as not to interfere with other important work.

Pigeons will not look at lettuce, chick-weed, or other green stuff thrown down on the floor of their fly or loft, but if it is fastened securely by means of a bit of wire or cord a few inches off the floor, so they can just reach it, they will help themselves to as much as is good for them.

One way to make your boys dislike farming is to be continually finding fault, complaining of the hard lot and slavish life of farmers and telling them of the ease and comforts of city life.

A fish pond could be constructed at small expense on many farms and when well stocked with fish will be found a

valuable auxiliary in supplying the farmer's table with fresh palatable food.

Select as good a variety as possible of such crops as your soil seems best adapted to, get the best quality of seed, put the ground in a good condition and give the necessary attention to the details.

Don't fail to grow roots in plenty the coming summer. Decide now where they will grow.

A hundred acres of land half tilled may give no profit, while fifty of the same acres, well tilled, may yield most satisfactory crops to bring substantial gains every year.

Watering troughs by the roadside at convenient distances are highly appreciated by travellers and are sure indications of kind and hospitable farmers

ARBOR DAY.

The prospect is that Arbor Day, April 10th, will be very generally celebrated this year throughout our State.

Let such trees be planted by old and young as will hereafter be a blessing. We advise that on every farm, not only ornamental trees, but rare fruit trees, have the particular attention of the household.

Perhaps, in the past, in many a home, the wish has been expressed for an especial kind of fruit, which from time to time has been put aside in the hurry and drive of the farm work. Let it be made a point to get the best trees of this fruit now and celebrate the day with setting them out properly.

Get one year old nursery stock as most certain to grow. If you are well acquainted, however, with the wants of transplanted trees, you can do well with two or even three year old trees.

More trees, more shrubbery, more flowering plants will not be out of place around any of our dwellings.

GRASS-STOCK.

STOCK ON THE FARM. I.

Grass the Great Renovator. Silos
the Hope of the Future. The
Farmer's Bank at Home.
The Blessed Cow.
The Horse.
The Sheep and the Dog.

In my title you see I have laid out some work for myself. I do not expect to get through with it in one brief article. I hope you will allow me to travel along in my own way, and trust me to get through all straight in due season.

I have been amazingly pleased with the articles of Geo. Earle, jr. on Southern Maryland. They are worth printing in pamphlet form and circulating to every farmer in that region of the State to which they refer.

But they, with slight changes, might apply equally to the poverty stricken regions of many other parts of our common country.

Not every region has the wide awake men who are able to see where their best interests lie and will take hold of it in earnest.

Too many hoot at the idea that they are not just as far advanced as anyone else in the world and lay their poverty and want of success to any other cause rather than that of old-fogy-ism.

Here is one so steeped in tobacco that he cannot open his eyes to behold the difference between his old skeleton cow that gives a small mess of pale blue milk and the prize Holstein, or Jersey, with their royal pailfuls which are already almost butter, they are so rich!

And here is another, who has so long considered one cow for every forty acres enough of live stock, that you couldn't beat it into his head with a club that anyone could support a cow for every acre, by the help of the silo!

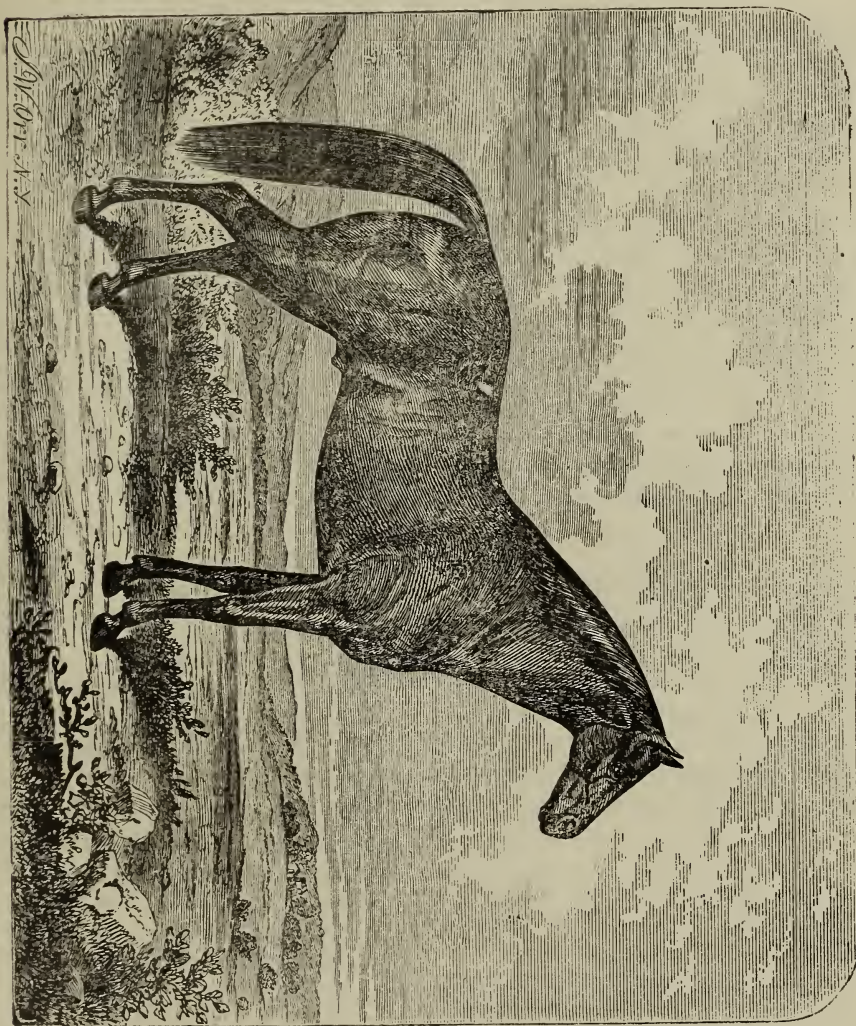
Well, well! thank fortune that all of us do not belong to this old-fogy class. It is hard work to move forward and drag this dead weight of stolid self-satisfied stupidity along with us. But I think a few more years of running down hill in the old way, while they see their neighbors all climbing up by the aid of the new methods, will reach their sensibilities, even through the thick hide which they are now wearing with so much complacency.

It is particularly strange that those who have not been reading your Magazine cannot be persuaded to make the effort to get their poor worn out fields into grass. No, grass won't grow there! Nor anything else except laziness and idleness. They grow there by the ton every year.

But seriously, grass is the great renovator for worn out land; and this is the first step towards getting a proper amount of stock on the farm.

Grow some cow peas and turn them under. If the grass won't grow then, grow some more cow peas and turn them under. If the clover does not come then, grow some more cow peas and turn them under.

Now, you may be sure the clover will take, and this will be all you need. Let this grow and turn it under, and you are out of the woods. No trouble now but you can get a good crop of grass. Then don't sell it. Get something to eat it up.



If you do this, don't you see you've made a commencement of stock on the farm? So here ends my No. 1.

NISBET.

THE SILO.

You can take a bay or part of a bay in your barn and finish it off so as to make it air tight. Make the bottom water tight either with cement or clay. Put sills on the bottom and studding on the sills; then double boarding with two thicknesses of building paper between. Paint over the inside with coal-tar and resin, filling all crevices. This is not expensive and will exclude the air.

A cubic foot of the settled silage weighs about 40 pounds and 50 cubic feet make a ton. A day's ration for a cow is 40 pounds and you can tell how much you want to carry your stock through and how large a silo will be needed.

Growing Silage.

Prepare the soil as for corn crop, manuring heavy and pulverizing until fine. Plant in drills $3\frac{1}{2}$ feet apart and 8 to 12 inches apart in the drill. Plant such varieties as will fully mature in your locality. Start your light harrow as soon as done planting and keep it running, even though it may destroy some hills, until the corn is 4 or 5 inches high. Then start your cultivator, cultivating deep at first, more shallow later. Cut up the corn when the ears are fully developed and partially glazed.

Storing it.

Cut the fodder as you put it in the silo. Uncut, it is heavy to handle. By cutting you can elevate it to the top of the silo and get it out more easily for feeding. Cover the top with cut straw or hay several inches in depth and then a few inches of uncut straw and cover the straw with boards. When you open the silo take off the rotten

straw and rake off from the entire surface what you need for a day's feed.

Some Advantages.

From 12 to 25 tons of good fodder can be grown on an acre of land, enabling you to multiply your stock without increasing the area of your land, and make a large quantity of manure to return to the soil to maintain its fertility. Then we can, with profit, make winter butter and keep our cows at work the year round. Silage gives the conditions of June in winter.

It is not wise to keep cows on silage alone. Wheat bran costs \$16, \$17 or \$18 a ton, and \$13 worth of manure goes back on the farm. After feeding, less manurial elements leave the farm in butter than in anything else sold from the farm. Frosted corn, if put in the silo immediately, is not greatly injured for silage. Begin to cut corn the day before it is put in the silo.—*Geo. T. Powell.*

PURE STOCK ON SMALL FARMS.

Small farmers often say, when urged to rear better animals.

"Oh, the big, rich farmers can afford to raise fine stock, but we can't."

It will be seen that the underlying idea is that fine animals cost more.

The small farmers alluded to, consider themselves only as buyers, never reflecting that they will be sellers some day.

No one can now successfully dispute that well bred animals are the most profitable, hence the small farmer is just the one that cannot afford to rear any other kind. In many ways he must compete at a disadvantage with the large farmer, and if he does not raise as good stock, at least, as they, he can hardly make any money.

He cannot keep many animals, hence can give each more of his personal attention than the larger farmer can, and the pure-

bred animals are the most grateful for such attention—another reason why the small farmers should rear only such.
—*Ex.*

STRAWS.

For milch cows the first grass is good but there is another question to consider:—it is not good for land to receive the tread of their feet when so moist that they will sink into the soil.

Breeding stock need muscle rather than fat, as the latter means the loss of energy, if not health and vigor.

Farmers could help the sheep business by eating more mutton themselves. Mutton is more nutritious than beef or pork.

A week spot in a stable floor may cost a hundred dollars or more if not duly strengthened at once, for the leg of a good horse has a perverse way of finding every such spot, and that means something like total loss of value.

A fat steer or other animal intended for the butcher will go off readily at any time, but it is not possible to put on the required fat in a few days, so if there is the intention to sell good feeding is a pre-requisite.

Bad slough water will make milk that contains fermentive organisms and that is liable to decay. Made into butter or cheese the latter will not keep. See that the cows do not quench their thirst in the barn-yard pools.

Holstein-Friesian cattle are being distributed throughout the Southwest in

There is great advantage in securing good blooded stock, but the profits of the herd or flock depend equally as much on the care as in the blood.

prodigious numbers, hundreds of them changing hands every week. Such is their popularity people cannot get them fast enough and they are very rapidly becoming the dairy stock of the great Southwest.

Save the last fourth of the milk from the cow in a separate vessel, and pour it directly in a cream jar. This portion of the milk is so rich in butter fats that it well pays to churn it all, and saves the labor of setting and skimming.

In horse breeding it is as important that the mare should be perfect as that the stallion should be so. In fact, some consider it more so, and this is especially the case with the horses of the Arabs, who for centuries excelled all other nations in their breed of horses.

Celery is not only delicious but healthful, and every farmer should raise enough for home use.

Experiments in feeding pigs, instituted by the Danish Agricultural Society, go to show that skimmed milk has double the feeding value of buttermilk; that rye and barley are of about equal value, with a slight percentage in favor of rye; and that six pounds of skimmed milk have the same feeding value as one pound of rye or barley.

A fact not to be forgotten in sheep husbandry is that while one may raise fine wool and very poor mutton, you cannot raise good mutton without raising good wool also. All authorities agree that the best fed sheep that fatten and mature in the shortest time make the best and soundest wool, so that this by-product from such sheep will always find a ready market. If we can raise mutton on the basis of making the meat pay the cost, we shall have the wool for clear profit.

POULTRY.

PROFIT ON POULTRY.

The way to realize profit is not to crowd your fowls, have just what you can care for yourself.

Measure the food, by noticing what they eat heartily, leaving nothing over, and in two weeks' time, you will be able to know what it takes to feed them comfortably on.

Then you can charge the actual outlay and credit them not only for the eggs sold and eaten and chickens disposed of, but the feathers may be utilized and also the droppings.

The raiser of fowls will find it a good investment to give the droppings to the father or husband, as he will take it for his "plant land" or garden.

As I stated, count all the cost and profit, and if after you get well under way with your favorite kind of poultry, your income doesn't double the outgo you'll be more unlucky than I have been.—*Am. Rural Home.*

Incubators have evidently a mission and they will become a permanent institution, as the years go by, upon every farm. Hot water incubators, surrounded by sawdust, within doors, are at present the best.

PRESERVING EGGS.

We will state, that *perfectly fresh* eggs, if kept at a temperature between 40 and 60 degrees, and turned twice a week, will keep for six months, without the necessity of packing them in any kind of material.

Now, will it pay? We think not.

It will pay to preserve eggs if one keeps

his own hens, and knows all about the eggs he preserves, but to attempt to buy would be a risk, as not even the farmer who sells them knows that they are fresh.

Bought eggs pass through so many different hands that a few bad eggs *will* get into every lot, and as a single rotten egg will effect the entire number, there is too much at stake.

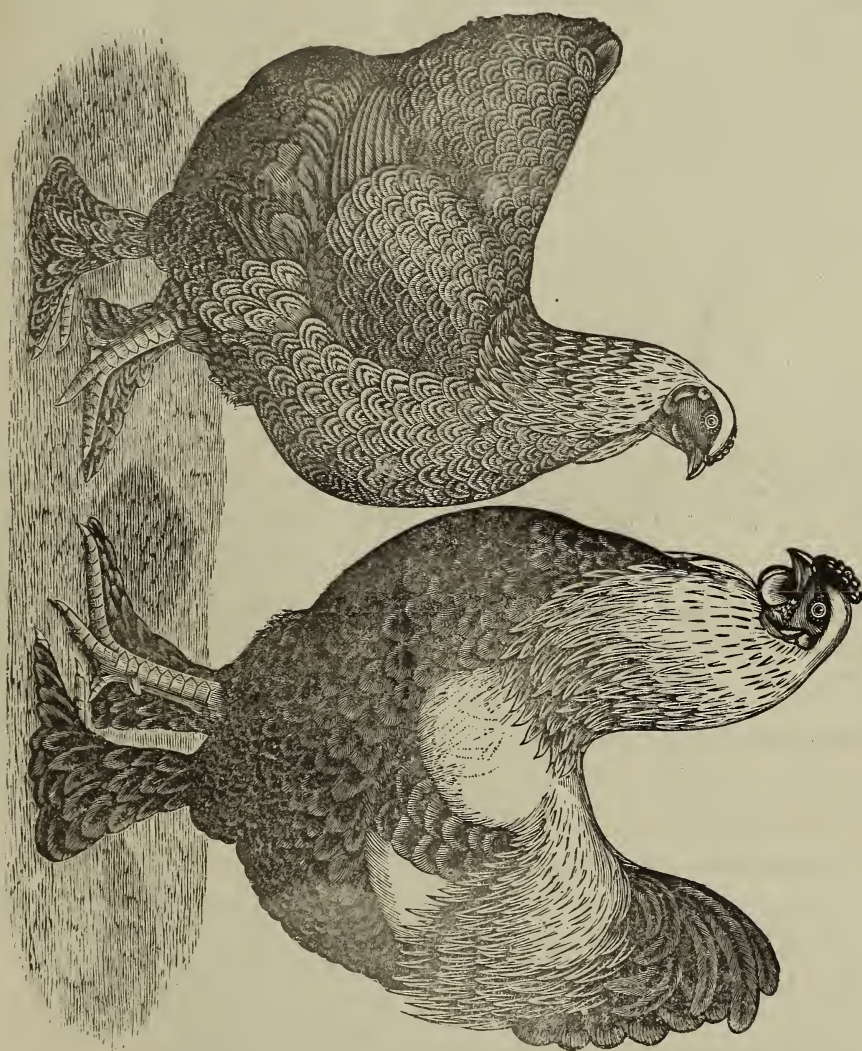
We believe it will pay to preserve eggs for higher prices later in the season, but the great difficulty that has prevented hundreds from engaging in the purchase and preservation of eggs is the impossibility of purchasing strictly fresh eggs on the market, and not because of lack of knowledge of the best methods of preserving them.—*Am. Rural Home.*

Begin to have your chicks out in April from hens set early. This is a permanent rule for all thrifty poultry raisers on farms. These chicks make good layers the following winter.

EGG FARMING.

Raising eggs pays; that is, where good, warm houses and the proper feed is in order. Our hen house is warm and comfortable. It is lined on the inside with heavy paper, and all cracks and crevices are thus closed up. Wind cannot possibly blow in it, and, having a good roof, there is no way for the rain to come in. By this precaution we keep the fowls' combs from freezing. They lay better for it. A good warm hen house is half the battle.

COCHINS.



For feed, we give in the morning bran to which we put cooked greens whenever we can get them, and add meat scraps.

Boiled potatoes mixed with bran is also good.

During the day, every now and then we bury a little of grain and get the hens scratching. It gives them exercise, and counts by the dozens in the egg basket.

We feed them grain at night. Don't throw it down to them, but cover it up, and they will scratch until dark.

We cannot afford to let our hens idle. They won't lay, and they begin pulling each other's feathers. And last, but yet the most important, we continually have good fresh water before them.

What is the consequence? The hens always have bright red combs, and lay when other fowls do not. They are healthy, and there is a remarkable fertility to their eggs. Try it, and see for yourselves.—*M. K. Boyer.*

Ducks—Pekins are the best. They do not require much space either in winter or summer. They are very contented if they have plenty of water to drink. They will thrive on almost any food, given to them in sufficient quantities. They are great layers.

ARTIFICIAL INCUBATION.

To make money out of the broiler business, we must use incubators and brooders. These artificial methods do not produce better stock, but more of it.

We must cater to the demands of the market. If the public calls for spring chickens in February, and we have not got hens to set, we cannot supply them. When the public *wants* anything it is willing to pay a good price for it.

Later on in spring, as hens all over the country begin to set, the markets become

filled, and naturally prices go down. To get the cream then, we must use artificial methods.

An incubator can be started in November, and the chickens raised up to two or three pounds by the time the yell comes for broilers. We have known the market to pay at least one dollar a pound for them then.

By the expenditure of a little labor the farmer can erect a brooding house, get an incubator, and make more money than out of any other crop he can raise.

This is not extravagant talk. In Hamonton, my home, there are thirty broiler farms, a number of them raising 10,000 chickens in a season. These establishments are on the go from November to July, and the balance months of the year the proprietors do nothing.

Just at the present writing, on a rough estimate, we believe there are 100,000 chicks in the brooders. If there was not money in it, these people would not put all their time and energies in the work.

We are a firm believer of artificial incubation, and believe there is more money in it than any other branch. But it means work. You don't simply start the machine and wait for the hatch. You can't brood the chicks and give them occasional attention. Some one must be at it all the time.—*Ger. Tel.*

Eggs which are of valuable pure breeds should be packed in dry bran, set on their ends, and the life germ will thus be preserved for a month at least. It is best however to use fresh laid eggs for sitting if possible to have them.

Clam shells, oyster shells and sea shells may certainly be dispensed with where poultry can get all the sharp gravel they need. Lime is sufficiently provided in their food for the egg shells.

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AND
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If 5000 are allowed to run over a single number without paying, it is a cost to us of \$500., which we cannot afford to lose. Few of our subscribers take this into consideration. While we like to be as generous as possible, let us have a little justice on both sides.

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Job Printing of every description—good work—low prices—prompt service—at the MARYLAND FARMER Printing Office.

We call especial attention to the directory of Nurserymen and Seedsmen, which we commence this month, placed in its appropriate position, at the head of the department of "Fruit and Garden." Many of the catalogues may now be seen at our office. Those who have not favored us with catalogues will do well to send to us at once, to be kept here for reference.

Our sample copies, which we supposed would be far greater in number than we could possibly need, have again run short during the past month. Those who have not received them promptly will by this learn the reason of delay.

SMALL FRUITS.

The "Profits of raising Small Fruits" was to have been the topic of one of our correspondents for the present number; but although we delayed going to press with our last form for several days, it has not yet come to hand.

However, let no one who has the least taste in this direction, hesitate to fit his ground for small fruit culture. No other department of farming can be more surely depended upon for ready cash. And this "ready cash" is what every farmer wants just at present.

Fruit should become one of the great sources of revenue in the future on every farm in Maryland, Virginia and the South. No country in the world is better fitted to supply fine fruit. And while standard trees are being trained into bearing condition small fruits should be everywhere cultivated. It of course requires some years to secure bearing orchards; but a very short time only is necessary to realize from a field of strawberries, or blackberries.

You who have farms, give to these crops plenty of room. Do not attempt to crowd

too much on a single acre. If they have plenty of room the labor is greatly lightened. The horse, the plow and the cultivator do a very large part of the work.

Then do not suppose that the soil must be exceedingly rich to grow small fruits.

It is true you cannot get land too rich for strawberries; but the blackberry is a bramble, and common soil will give a very good growth and an abundance of good fruit.

This, however, is not to take the place of our expected article—it is merely a reminder to put in a commencement of small fruits, where any of our readers need such a reminder.

SMALL FARMS.

We learn that a number of our large farmers in different sections of the State are contemplating the division of their farms, and intend to offer them in small tracts of thirty or forty acres at very low prices to enterprising young men.

We believe this to be a move in the right direction. A young married couple, who will take such a tract of land on the liberal terms proposed by some of these parties and resolve to make for themselves a home, can not do better in any part of the United States than here in Maryland.

Several items in proof of this fact may be mentioned.

The location is such as to insure at least a reasonably pleasant class of surroundings, in the matter of social advantages, church privileges, school opportunities for the family, and facilities for all that rapid communication and knowledge of events which keep people on the advanced stage of enlightenment.

The climate is as delightful as can be desired. Cool enough to escape those malarial scourges of the South and warm enough to escape the long cold winters of

the Northern States. Of that medium character, which gives us all the field of vegetables, small fruits and orchard bounties in their perfection.

The land is easily worked, and remarkably productive. It merely requires the ordinary attention which anyone acquainted with farming can bestow. A young vigorous man, with the present facilities can work to advantage thirty or forty acres with very little extra hired help.

The market, by the facilities afforded by Railroads and Steamboats, are brought to your very doors. In some cases the farms will be divided on such terms, that pay will be taken in produce, in milk, in such favorable shape that little or no money will be asked, only such improvements made as the family purchasing may require for their own comfort.

The facility to reach markets, also implies facilities to procure whatever is needed in the way of farm implements, fertilizers, etc., to the best advantage and at very little cost.

Other considerations will suggest themselves to anyone who will think upon this subject; who will take a map of Maryland and examine the net-work of rivers and railroads; who will see the communication with the large cities and flourishing towns which is afforded from any part of the State.

It is a source of great pleasure to us to say, that we hail this disposition on the part of those owning large farms to divide their holdings on such very liberal terms, as the foreshadowing of renewed prosperity for this region.

We hope that, particularly in Southern Maryland, some action will be taken to invite and welcome settlers—enterprising young farmers—into our State. We have received in person, and by letter, many expressions of approbation in reference to the three articles in the *Jan'y.*, *Feby.*, and

March numbers, on "The Needs of Southern Maryland," by Geo. Earle, Jr. We hope he will add further to this valuable exposition of the "Needs," by setting forth the ease and rapidity of development when rightly prosecuted.

Meanwhile, let the division of large tracts become a matter of fact; let the terms of such division be made known at home and abroad; let the young farmers of ambition, enterprise, "push," be encouraged in every reasonable way, to build their homes in our midst.

Small farms are to be the great blessing of our State in the future. Why not begin to seek the blessing now?

The best floor of a poultry house is cement, then use plenty of dry soil as a deodorizer. Or, if the dry soil has not been provided when winter comes, use sifted coal ashes. Or, saw dust will be worth using on such a floor.

PEACH YELLOWS.

Dept. of Agr., Botanical, Bulletin No. 9, is an excellent report on Peach Yellows, with interesting maps showing its location at present, and its great prevalence in certain sections.

It is certainly a subject of absorbing interest to this entire region of country; for scarcely a visitor at our office from the great peach field but has something to say on the subject.

We can well remember, years ago, when the State of New Jersey was the very paradise of peach growers; and now very few places in the State are considered safe for the planting of extensive orchards.

It is getting nearly the same in the Northern part of Delaware and Maryland. We know of cases in Cecil County where large orchards have been cut down, and

now peaches are only grown in moderate quantities, and not with the idea of profit.

If a remedy can be devised for this disease, it would be worth millions of dollars to the peach growers of this country. If one cannot be found; the end of extensive trade in peaches is not very far in the future.

Artificial incubation in raising Poultry for market is fast becoming a necessity. In no other way can anyone devote his entire time to the business with the prospect of an adequate reward for his labor.

QUEER STRAWBERRY FARMING.

A style of growing strawberries, which is new for California, says the *Stockton Mail*, can be seen at the residence of H. C. Keyes and Joseph Hewlett, of that city.

The strawberry bed consists of a brick mound, 16 feet long, 5 feet wide at the base, nearly 4 feet high and about 6 inches wide at the top. The interior consists of rock and manure.

The bricks are laid about an inch apart, and between them the plants are set. There are 600 plants in the mound. The bed is watered through a wooden chute in the top of the mound, which empties into the rock in the interior.

N. H. Miller, a gardener, who is building them after the pattern of similar beds in the East, says the strawberries thrive better by this method of growing, and that each mound will produce a bushel and a half of berries twice a year—in the months of March or April and July or August.

The bricks warmed by the sun, burn off the tendrils of the plants and thus prevent them from running. The berries produced are large, clean and luscious, and the beds are ornamental. Each bed costs somewhat less than \$20.

GARDEN AND ORCHARD.

We call especial attention to this list of Nurserymen, Seedsmen, Florists, etc. They all issue good Catalogues and will cheerfully send you one free, if you write referring to the Maryland Farmer. We believe every one of them to be reliable.—*Editor Md. Farmer.*

Ellwanger & Barry, Mount Hope Nurseries,
Rochester, N. Y.

Lewis Roesch, Grape Vines and Small Fruits,
Fredonia, N. Y.

C. E. Allen, Seeds, Plants, Fruits, Roses, Bulbs,
Brattleboro, Vt.

Wm. Parry, Nursery Stock; Small Fruits,
Grapes, etc. Parry, N. J.

W. Atlee Burpee & Co. Seeds and Thorough-
bred Stock, Phil'a, Pa.

Thos. Meehan & Son, Oaks, Rare Ornamen-
tals, Germantown, Pa.

Henry A. Dreer, Seeds, Plants and Garden
Supplies. Philadelphia, Pa.

Z. DeForest Ely & Co. The Popular Seedsmen.
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W. M. Peters & Sons, Peach Trees a Specialty.
Wesley, Md.

Robert C. Reeves, Seeds, Fertilizers, Imple-
ments. New York, N. Y.

Wm. H. Moon, Glenwood Fruit and Ornamen-
tal Nurseries. Morrisville, Pa.

D. H. Patty, Nurseries, Geneva, N. Y.
Agents Wanted.

Wiley & Co. General Nurserymen and Im-
porters. Cayuga, N. Y.

Northern Grown Seeds. Northrup, Braslan & Good-
win Co. Minneapolis, Minn.

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P. Emerson, Specialties—Peach, Pear & Apple
Trees. Wyoming, Del.

H. W. Hales, Ridgewood, N. J.
New and Rare Plants.

Samuel C. Moon, Morrisville, Bucks Co., Pa.
Ornamental Trees & Shrubs.

Roop & Zile, Seed and Plant Growers.
Westminster, Md.

Parsons & Sons Co. (Limited), Flushing, N. Y.
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Fred W. Kelsey, The best Trees, Shrubs, Roses
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P. J. Berckmans, Trees, plants, etc., adapted
to the South. Augusta, Ga.

Frank Ford & Sons Seeds & Nursery stock.
Ravenna, Ohio.

F. H. Mooers, Eastern grown Garden Seeds.
Pittston, Maine.

Delano Moore, Farm and Garden Seeds
Presque Isle, Aroostook Co. Me.

Diamond White Grape Co. Best White Grape ever in-
troduced. Brighton, N. Y.

The above directory is a part of the "New Departure" we propose for our readers.

We would bring before you the policy of turning more of your attention to those departments of farm work which will ultimately bring solid money returns without large expenditures.

It has been our experience in the past that standard fruits, in bearing orchards, have been far more profitable than any grain crops.

That a small patch of strawberries, or blackberries, has brought ten times as much profit as the same space in any grain.

That an acre devoted to vegetables has given more to the farmer's pocket book than several acres of wheat or corn.

We shall add to our directory other names, and other profitable departments, of farming to take the place of those things which are rapidly becoming of no profit.

For the Maryland Farmer.

A CHANGE NECESSARY, I.

Fruits and Vegetables.

Wheat, corn, oats and tobacco, with an occasional trial of rye or barley, can no longer be depended on, as the standard crops east of the Alleghanias.

The experience of the past two years has proven to the satisfaction of almost every thoughtful farmer that a radical change must be had in this method.

With a large part of the export trade cut off, through the cereals drawn from other localities, and our own Western produce liable at anytime to flood our Eastern Seaboard, these crops, if grown here, are never safe.

During the past two or three years the greatest depression has been experienced by those who have depended for their money to meet liabilities upon the profits of grain crops.

It has been found when the money came, that after the expenses of the crop were paid, nothing was left.

This state of things is a serious matter; but it is the actual condition of things, and we must look it in the face striving to learn how to remedy it.

Many a farmer has stood this past winter looking over his fields with a sad heart wondering what they would bring him in the time to come. Many a one, too, has felt that his acres of grain were in reality already mortgaged, for seed, labor and fertilizer, to their full value.

Some have in a plausible way argued that there was not a full year's supply of bread stuffs in our country now and therefore the outlook must certainly be brighter than for the two years past. It is only a fanciful argument to sustain the hopes of our hearts. We must have visions of a better time coming for the old saying is

always true "Without a vision the people perish."

No arguments, however, can change the facts, that the present methods of raising grain must be abandoned and some other course must be pursued if the farmer hopes for prosperity.

Having arrived at this conclusion, we should take a few more facts into consideration:

For example, we have immense markets all along our Atlantic coast for certain things, and we also have an inexhaustible demand in England and some European countries for certain other things which we can raise in great abundance if we turn our attention to them.

Fruits are in active demand both here and abroad. Vegetables are far from being a glut anywhere in the great cities. Ship loads of potatoes, cabbages and beans come into our country from Europe and Canada not deterred even by a heavy tariff.

It has seemed to me that in these things are strong suggestions as to the change which should be instituted in our midst in order to secure the prosperity we covet.

This change is, indeed, that our efforts be turned to the raising of the best qualities of fruit, and our cultivated land be prepared as rapidly as possible to become the source of our full vegetable supply.

No one will understand me to say that I advocate the total abandonment of the raising of grain. By no means! But that it cannot longer be considered our selling crop. We must have it for our home use and it will be raised for that purpose; but these other things must become our money support.

For immediate markets, small fruits and every description of truck and vegetables. For home and export trade the produce of extensive orchards of the best fruits.

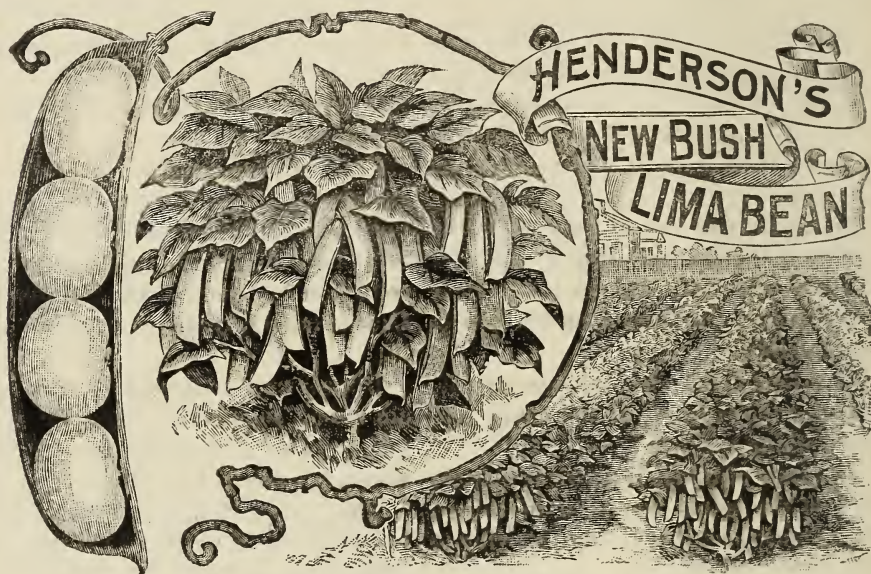
In my view the farmers of the Atlantic coast should begin now to plant out Orchards of the very best Apples. Pears and Quinces. These things do not become productive in a single season. They require years. But once properly started and cared for, they are the source of princely income through generations.

Meanwhile, the other department will be annually growing into importance, supplying day by day and week by week the cash in hand needed for comfort, peace

work, but no great amount of labor when you look at the additional sales and the flocks of anxious purchasers that gather around your stand or wagon to get something nicer than any one else offers.

One who has "been thar," avers that the first thing in order to make better sales and more of them than anybody else, is to be a clean man or woman, as the case may be.

The next thing is to have a nice market wagon and a horse to draw it that has been



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of mind and what little contentment farmers may be able to enjoy here.

I have only given my ideas in a general way in this first article. I propose to be more particular in my next communication.

CHAPMAN.

TO SELL SMALL FRUITS.

The time has arrived when growers of small fruits want to know, or ought to know how to profitably market their berries, which cost so much painstaking

fed three times a day, and rubbed until his hair looks sleek and glossy.

Then as all fruit growers have a taste, or ought to have, for nice flowers that will drive away the gloomy shadows of life, it becomes necessary to aid them in their growth and blooming, in order to have them in their brightest colors when you are going to market.

When you have picked your berries in nice, clean baskets, and are ready to trot off to town, just stop and ask your nice little wife or sweet daughter to tie up a

nice little bouquet and stick it down in the middle of each basket of nice, sweet little berries.

Take the same berries to market without the bouquets and perhaps you'll be mad in half an hour because you can't sell them at any price.

Then think how much happier you'll be by making some one else happy with only a bunch of flowers. And, besides, when your fruit is all gone you can whistle and sing over your purse of change, while your untidy and flowerless neighbor sits with his head in his hands and wonders how you do such a lively business.

A good hint, that, and seasonable. Let those who find it difficult or impossible to sell their fruits and vegetables readily try neatness, cleanliness, and a little floral decoration. It may prove a pleasant and profitable arrangement.

The above pleasant story is from the *American Rural Home*. It is something real, upon which any of our readers can rely. Prepare now, not only to have the clean, fresh baskets of nice fruits, but to have an abundance of flowers for the miniature bouquets also. Add a little knowledge of human nature to your efforts and the result will be success.

BUSH LIMA BEANS.

We have received from P. Henderson & Co., New York, a sample package of these beans and they may be seen at our office.

Bush Limas! no more poles! only about eighteen inches high; enormous producers; at least two weeks earlier than climbing Limas. The beans are the size of the small Southern Lima and of that delicious quality.

Thus is summed up this new acquisition, and it is such an important one that we advise our readers to give it a fair trial.

A package contains from 25 to 30 seeds and costs 25 cents.

If it will realize the great desire for an early Lima, in bush form, and of excellent quality, no one will be the poorer next year by sending for a single packet, or by sending \$1.00 and getting 5 packets. We do not, however, as a matter of principle, advise our readers to invest largely in any novelty. Novelties do not always meet the expectations of the sanguine and dissatisfaction is the result. They are not always given the proper care and cultivation, or the soil is not suitable, or for some other cause the purchasers are disappointed. Therefore move slowly and surely.

These reasons, however, should not prevent the faithful trial of such an important thing, as the advent of a genuine Bush Lima.

SEEDLINGS.

It seems to be a rule in horticulture and fruit culture, as well as in agriculture, that the finest varieties are usually the most difficult to produce and the most uncertain to yield. It is therefore well to have some of the old "standbys" in every orchard.

In order to produce the "bunch" celery that is so famous in Boston markets, the plants are given plenty of room in which to grow, so that the suckers or side branches will start simultaneously with the central shoot.

A Michigan fruit grower has a fruit-house constructed on the cold-air system without the use of ice. He is able to keep his house within three degrees of freezing for five months, and when the thermometer outside changed 60° in twenty-four hours the change in the fruit-room was imperceptible. Such results are effected by building a house with triple walls fifteen

inches in thickness, ten inches of which are filled with sawdust.

The owner of a large apple orchard, says, that having heard that a liberal dressing of ashes would be of service to his orchard, which had begun to show symptoms of failure, he top dressed it with twenty bushels of ashes to the acre, harrowing the same in effectually. He reports the result as in every way satisfactory.

Planting whole potatoes gives the best yield, according to the trials of the New York Experiment Station; half tubers are next best; quarter tubers next; single eyes yield least. Trials made at the *Rural New Yorker* ground favor cutting to two eyes; other trials correspond with both of these results. More room still for trial.

O. S. Chaffee & Son.—Silks.

O. S. Chaffee & Son, Mansfield Centre, Conn., the oldest silk manufacturers in our country, have instituted a new departure, selling their goods direct to purchasers. They deal generously in every respect with their customers. Send your request for samples and prices on a postal card and they will reply promptly.

FRESH MEAT FOR CHICKS.

Fresh meat is an important aid in making chicks grow rapidly and we wish to call the special attention to the advertisement of the Hollins Dressed Meat and Wool Co, of their canned meat for poultry. This is strictly fresh meat carefully cooked and ground, then seasoned and sealed up in cans holding eight pounds, which is equal to probably twelve pounds of uncooked meat. This, at thirty cents a can, is about one-half of the cost of butchers' trimmings, and being entirely free from bone and waste, and besides, being ground

fine and ready to use it is a very cheap article of food. For stimulating the growth of early chicks, it is invaluable, and for making the laying stock healthy and vigorous it will be found very useful.

Care should be taken in feeding meat or beef scrap not to give too much at a time, as overfeeding will cause scouring, leading to diarrhoea. If mixed with the morning mash about a sixth or a fifth part, of the whole may be meat. When so fed chicks should grow rapidly, and will be ready for market two or three weeks earlier than where no meat food is given.

Spear and Waters—Removal.

We would call attention to the removal of Messrs. Spear and Waters, from 124 to 120 Light street, only two doors above their old stand. They have a fine stock of Implements and Seeds, from which customers may select, and they may be relied upon to fill all orders by mail promptly and to the satisfaction of purchasers.

Our Little Ones and the Nursery.

Through the kindness of Russell Pub. Co., Boston, Mass., we are enabled to present to our readers the unique pages entitled "A Dream of Noah's Ark Land." It appeared in their monthly, *Our Little Ones and The Nursery*, undoubtedly the best publication in our country in that class.

FERTILIZERS.

Messrs. R. J. Baker & Co. have never failed to give satisfaction whenever you have dealt with them. Do not forget it, when you are looking for fertilizers now or hereafter.

THE HOUSEHOLD.

DON'T WORRY.

Don't worry at trifles and troubles.

Nor fret when misfortune appears ;

Repining each burden but doubles,

And evils delay not for tears.

Time wasted in useless complaining

Is wealth we might use thrown away,

Better wisely to use that remaining,

Employing each hour of each day.

Don't worry if fortune has dowered

Some other more richly than you ;

Sad grieving but makes one a coward,

Success means to dare and to do.

Time's chances have not all departed ;

Rich prizes are waiting a claim ;

But they fall not to those who down-
hearted

Creep feebly toward fortune and fame.

Don't worry o'er past tribulations :

They're gone and their lesson is taught.

Look forward ! The future relations

Are with grand possibilities fraught.

Who conquers the present, improving

Each hour of the here and the now,

Gains a place in that circle which, moving,

Brings the prized laurel wreath to his

Brow.

—B.

POLLY'S BISCUIT.

"Polly, don't buy your pearls to-day."

Polly Rutherford looked up quickly from the jeweler's case she was bending over, and saw Mr. McIlwaine standing at her side.

"Why shouldn't I buy to-day?" she cried. "I have had this hundred dollars in gold for almost a year, Mr. McIlwaine, trying to make up my mind what I wanted most; now my birthday is almost here again, and I am afraid Grandpa will make this do for two birthdays, if I don't hurry and spend it."

But Polly's gay little laugh was checked by a look of unmistakable compassion in the gentleman's eyes. The color faded a little from her bright young face, but she would not ask any questions here in the crowded store.

"You may put them back to-day, Mr. West," she said to the jeweler. "I'll come again to-morrow."

"Very well, Miss Rutherford," said the vexed salesman, concealing his disappointment, "I shall reserve them for you."

Polly left the tempting store with Mr. McIlwaine, and once on the street turned upon him a pair of frank questioning eyes, which he found hard to answer.

Paul McIlwaine was a friend of the Rutherford family; but not especially of little Polly; she was only sixteen, a mere child to the hard-working lawyer of thirty, and one whom he considered as altogether frivolous and empty. Polly was an only daughter, living with her widowed mother in her grandfather's elegant house, and if she was not a spoiled girl it was not the fault of the doting old grandfather, whose idol she had been from her babyhood.

"What did you mean, Mr. McIlwaine?" she asked, presently, finding that the questioning look brought no reply. And, then seeing how embarrassed he seemed about answering, she said with a sudden fear, "Have you been at grandpa's since I left? Is anything the matter?"

"They are all well," he said answering the thought which he knew was in her mind, "but something has happened, Polly, of course, or I would not have interfered with your purchase."

"Oh! tell me, tell me," said the girl in

an agitated voice. "Why do you keep me in suspense?"

"What a blunderer I am," thought her companion. "If I tell her out here on the street, there will be a scene; but I am in for it now, and if I don't tell her I suppose there will be a scene; that's the way with these fine young ladies."

"It is a hard thing to say to you, Polly, but your grandfather has failed."

"Failed," repeated Polly, vaguely, "you mean he has lost his money? Is that all? Is that what you were afraid to tell me?"

"That 'all' means a good deal more than you seem to understand," said Paul McIlwaine, impatiently; "it means loss and grief and disappointment and poverty to one of the best gentlemen in the world; it means hard work to your mother who has no strength for work; to you—"

He stopped, and Polly said quickly, feeling the tinge of contempt in his tone: "Never mind about me, but I see now how bad it will be; poor Grandpa! Mr. McIlwaine does—must—will anybody else lose by Grandpa's failure?"

"It is too soon to say positively," he replied, "but I think not. I think he has quit business in time to save his creditors any appreciable loss."

Polly's head was up now, and her eyes shining. "Dear old Grandpa," she said, "bless his heart; I am ashamed that I asked the question; I might have known. But, oh! I'm so much obliged to you for keeping me from spending my hundred dollars; it was very kind of you, very; I don't know how you came to find me. How long have you known about Grandpa?"

"It only came out this morning, and took us all entirely by surprise. But here we are at your door; good-bye, my dear; if I can be of any service to you in any way, (he had meant to offer her money, but he was suddenly afraid to speak of

such a thing to the spirited-looking girl before him,) remember the long intimacy between our families gives me a right to help you."

"Thank you," she said simply, it was all she had voice for, and, using her latchkey, she let herself into the house.

"Bless me!" said the young lawyer, as he walked off, "but the girl had pluck! It was very pretty, and entirely womanly, too, the way she thought of others, her grandfather and the creditors. I didn't think little Polly had it in her."

If he had seen little Polly at this minute, he might not have thought she had so much in her; she had slipped noiselessly into the great handsome front parlor and dropped down on one of the low cushioned divans, "all in a heap," as the girls say. For two whole hours she kept herself hid in the parlor, nobody knowing she was in the house, and in that long, silent time, when she heard only the tinkling little bronze clock, and her own irregular breathing, something happened to Polly, almost like what happens to the moth when it comes out of the cocoon. It happened to the Polly that was hid away inside of the Polly that everybody knew; and who shall say but that this great, startling change of fortune was not sent to keep that inside Polly from being smothered and dwarfed by the outside Polly?

When she went to find her mother and grandfather, it was with a bright face and steady voice.

A few days after this, Polly brought up a dainty little breakfast to her mother, who was quite overcome by their disaster, as was the poor old grandfather.

"Come mother," Polly said blithely, "I made these biscuit, and you've got to eat two. What a good thing it was that you had that hobby about teaching me to do things; don't it fit in nicely now?"

"It was a theory of your father's."

answered the mother, in a depressed tone; "I promised him when you were a wee baby in long clothes that I would have you taught to do everything that woman can do, and of course, after his death, I felt the more bound to do it. But I don't know why you should make so much of it now; you can't support yourself by making biscuits."

"I don't know," said Polly, carelessly, "I don't know," she repeated more earnestly, springing up and walking about the room as if her mind were not following her footsteps.

In a few weeks the Rutherfords had moved into a small down-town house, with all the available rooms "let" and poor old Mr. Rutherford was trying feebly to discharge the duties of a small salaried office into which his friends had put him.

Polly's mother seemed quite crushed at first, but the girl herself was buoyant with hope, as every young girl has a right to be, no matter what her style of living is—or is not.

Thanks to Mr. McIlwaine, she had her hundred dollars now to invest in an enterprise on which she had set her heart far more than it had ever been set on the pearls. And along with the hundred dollars she had also to invest in it youth, health, good sense, a brave spirit, and a proud independence. What else needed she for a happy and successful life?

Her enterprise began with a visit, basket in hand, to seven or eight of the best city hotels, and as many of the restaurants; to all of them she offered a daily, weekly, or triweekly supply of her dainty little beaten biscuit, such as she had learned to make in eastern Virginia, from a famous old cook, who had in slave days belonged to her father's family. She was successful almost up to her own expectations, and far beyond her mother's; and her elation could

not but infuse some hope into that lady's weak spirit.

"We must have a new name for your biscuit, miss," said one wise old restaurant keeper; "what shall we call them?"

"Call them," said Polly, hesitating and laughing, "call them the Polly-wolly-winkum biscuit."

The Polly-wolly-winkum biscuit got to be the fashion that winter; after hiring one good cook at what seemed ruinous wages, a second and a third had to be engaged; but Polly put on her great kitchen apron tied up her abundant hair into a high knot, and spent four hours of every day in her kitchen herself; no plea of other engagements, no pretense that the cooks would do as well without her, no tempting offer of sleigh-rides, no flattering invitations of any sort could make the little mistress of the bakery break her rule, or neglect her work. Naturally the biscuit grew in favor.

The last time I visited the Polly-wolly-winkum bakery, it had moved its quarters to a large, well-lighted kitchen, with a class-room attached. Yes, a class-room; for Polly had agreed to teach cooking to a number of rich men's daughters at a good round price per girl, and, not to lose the chance of doing good because she was poor, selected a dozen of poor girls, to whom she gave another hour a week, without pay.

Mr. Paul McIlwaine was my cicerone on the occasion of my visit and when I had admired and praised until the English language was exhausted he said, gravely:

"Nevertheless a suit is pending in court against the Polly-wolly-winkum bakery; it is charged that Miss Rutherford is dishonestly withholding from all the young gentlemen of her acquaintance the time and thought and interest they believe to be their due."

"That is a dreadful charge, Polly-wink-

um," said I. "What are you going to do about it?"

"I'll engage Mr. McIlwaine to defend me," replied the little bakeress, running to look in an oven. But somehow her face was red before she opened the oven door!—*Good Cheer.*

THE HAPPIEST BOY.

Who is the happiest boy you know? who has "the best time?" Is it the one who has the biggest toboggan, or the most marbles, or wears the best clothes? Let's see.

Once there was a king who had a little boy whom he loved.

He gave him beautiful rooms to live in, and pictures and toys and books. He gave him a pony to ride, and a row boat on a lake, and servants. He provided teachers who were to give him knowledge that would make him good and great.

But for all this the young prince was not happy. He wore a frown wherever he went, and was always wishing for something he did not have.

At length, one day a magician came to court. He saw the boy, and said to the king: "I can make your son happy. But you must pay me my own price for telling the secret."

"Well," said the king, "what you ask I will give."

So the magician took the boy into a private room. He wrote something with a white substance on a piece of paper. Next he gave the boy a candle, and told him to light it and hold it under the paper, and then see what he could read. Then he went away and asked no price at all.

The boy did as he had been told, and the white letters turned into a beautiful blue. They formed these words:

"Do a kindness to some one every day!"

The prince made use of the secret, and became the happiest boy in the kingdom.
—*Our Sunday Afternoon.*

THE VALUE OF KIND WORDS.

A man came one day to Lord Shaftesbury, bringing a note from the governor of Manchester jail, saying that the bearer was absolutely incorrigible, and had spent twenty years of his life in prison.

Lord Shaftesbury talked kindly to the man, and found certain marks of humanity left in him, and he said: "John Spiers, shall I make a man of you?"

"Yer can try, but yer can't do it," was the discouraging reply, "though I'll try, too."

Lord Shaftesbury placed him in a reformatory for men, where the discipline was severe but good, and in three days' time went again to see his protegee, asking: "Shall we go through with it and save you?"

"If yer can," was the answer this time; and Lord Shaftesbury placed his hand lovingly on the poor fellow's shoulder, saying, "By God's help we will," and by the conversation that followed John Spiers was completely broken down.

Two years after he was met by a friend of Lord Shaftesbury's, clad in good clothing and filling a trusted, honored situation.

"Ah!" he said, "it was all the earl's kind words that did it. That was new. Why, I'd never had a kind word or a loving look given to me in my life before, or I might have acted very differently."

Saw the Artist.—Mrs. Westend: "Did you see the artist Whistler while in England?" Mr. Lakeside (of Chicago): "Yes, indeed,—heard her whistle."

ALL DEPENDS WHEN THE GIRL IS BORN.

If a girl is born in January she will be a prudent housewife, given to melancholly, but good temper.

If in February, a humane and affectionate wife, and tender mother.

If in April, inconstant, not very intelligent, but likely to be good-looking.

If in May, handsome, amiable, and likely to be happy.

If in June, impetuous, will marry early and be frivolous.

If in July, passably handsome, but with a sulky temper.

If in August, amiable and practical, and likely to marry rich.

If in September, discreet, affable, and much liked.

If in October, coquettish, and likely to be unhappy.

If in November, liberal kind and of a mild disposition.

If in December, well-proportioned, fond of novelty, and extravagant.

PLEASANTRIES.

A Signal failure,—a futile attempt to stop a street-car.

A Lawyer, who is noted for his absent-mindedness, went up his own stairs the other day, and, seeing a notice on his door, "Back at three o'clock," sat down to wait for himself.

"Papa," said Charlie, "will you buy me a drum?" "Ah, but, my boy, you will disturb me very much if I do." "Oh, no, papa! I won't drum only when you are asleep."

At an evening party in Cork, a lady said to her partner, "Can you tell me who that exceedingly plain man is sitting opposite to us?" "That is my brother." "Oh, I beg your pardon," she replied, much confused: "I had not noticed the resemblance."

A little Rochester girl drew the picture of a dog and cat on her slate, and, calling her mother's attention to it, said, "A cat oughtn't to have but four legs; but I drew it with six, so she could run away from the dog."

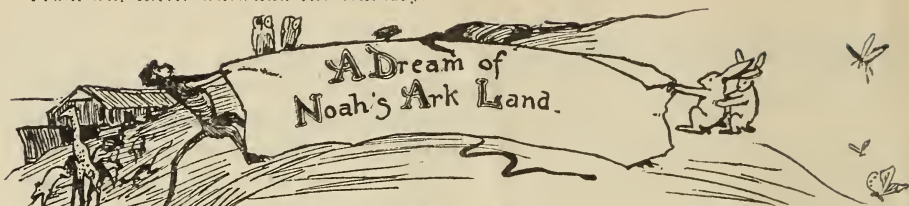
Principal Deacon: "Now Brudder John-sing, does yo' b'lieve in open or close comunyun, sah?" Candidate (diplomatically, not knowing deacon's views): "Well, some likes it open, an' some closed; but fo' me, I says, leave it ajar."

"Edward, why do I hear that you have disobeyed your grandmother, who told you just now not to jump down these steps?" "Grandma didn't tell me not to, papa. She only came to the door and said, 'I wouldn't jump down these steps, boys.' And I shouldn't think she would,—an old lady like her."

A German composer was conducting one of his overtures. As the "horns" played too loudly, he told them repeatedly to play more softly; and more softly they played each time. At the fourth repetition, with a knowing wink at each other, they put their instruments to their lips, but did not blow at all. The conductor nodded approvingly. "Very good indeed," said he: "now one shade softer, and you'll have it."

"Why would a barber rather shave three Irishmen than one German?" "You give it up? Of course you do. Well, because he'd get forty-five cents from the three Irishmen and only fifteen cents from the German."

From Our Little Ones and the Nursery.



In Noah's Ark Land, it fell out on a day

That the animals met for a jolly good play.

The Elephant danced with the Kangaroo.

The Lion went 'Smad and sang boroo!

The Foxes swept, but the little birds sang.

And the Bisons played a game of gobang,

They played with their heels, and they played with their horns,

And they cared not the least how they trod on the corns

Of any who came in their way.

The Crocodile played on the tambourine

'Twas the funniest sight that ever was seen

The spotted Hyena laughed till he cried

And got such a pain in his side that he died

The Bear beat the drum and the castanets

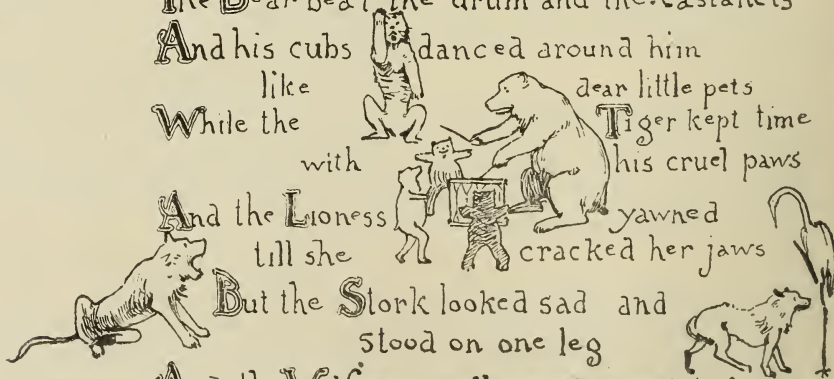
And his cubs danced around him like dear little pets


While the Tiger kept time with his cruel paws

And the Lioness yawned till she cracked her jaws

But the Stork looked sad and stood on one leg

And the Wolf was sulky and went to bed.





Still the fun continued long and loud

Till the rest of the animals came in a crowd

To see the strange proceeding

But some were timid and some were shy

And dared not play while the Lion stood by

To watch their games with his gleaming eye

And his mane so proudly streaming



Then a pert little Monkey sprang from his place

And flourished his tail in the Lion's face

And a roar arose so fierce and loud

It scattered at once the gaping crowd

There was running and rustling and screaming

And back to the Ark they

were one and all flying

But the Buffalo ambled and gambolled

For he was so deaf he had not heard a sound.

By this time it was night and silence fell

Broken at last by a tinkling bell

For Shem, Ham and Japhet, those stalwart men

Were bringing their fleecy herds back from the open

Then the Lion grew calmer

and stalked to his place

With a smile creeping over his grand old face

And the rest of the animals went to their rest

With an inward conviction

'Twas all for the Best



From the Amateur World.

RIDDLES.

Answers next Month.

1. In what month do we sleep the least?
2. Why is the letter D like a wedding ring?
3. Why are ladies like Churches?
4. When is love a deformity?
5. Why is the Brooklyn bridge like merit?
6. What is it walks with its head downward?
7. What do you add to nine to make it three less?
8. What Queen Mary had before, poor thing! What King William had behind, poor thing! What Queen Annie never had at all, poor thing!
9. What is the best thing to make in a hurry?
10. Why is the letter F like a cow's tail?
11. What is an old lady in the middle of a river like?
12. Why is the letter W like a maid of honor?
13. What is that which is neither flesh nor bone yet has fingers and a thumb?
14. Why should a hackman be brave?
15. What is the most difficult surgical operation?
16. When is butter like Irish children?
17. Why is a chicken sitting on a fence like a penny?
18. When is a man behind the times?
19. What does a fish do when pulled out of the water?
20. When you go out sailing what is the first thing you do?

ANSWERS

To Riddles published last Month.

1. The day on which there was no eve.
2. When it is a drift.
3. It is not current.

4. Smiles, because there's a mile between the first and last letters.

5. I, ser.
6. It is felt.
7. He has nothing to boot.
8. They leave them out.
9. It is always expected with interest.
10. When it is under consideration.
11. Three wretched comforters.
12. When they are mustered.
13. Nothing.
14. What does Y-E-S spell?
15. One is hard up and the other is soft down.
16. They can both wake us up in the morning.
17. A spool of thread.
18. When he is swimming.
19. When he takes a drink of water.
20. About $\frac{3}{4}$ of a pound.

On a farm where milk or butter is produced in winter the outlay for feed and care is much the largest item of the year's expenses. The question of what feed to buy, and in what proportion it should be used with the fodder he has on hand, is a question of prime importance to such a farmer. If he fails to secure the feed which will give the best returns in dairy products, in the condition of the stock and the value of his manure pile, some of his money and labor is wasted.

It takes very little arithmetic, says Major Alvord, to prove that 200 lbs. extra weight of cow kept alive for five years, while returning no profit during this time, will actually cost as much as the fatted carcass of the animal is likely to bring in the end. Unnecessary size or weight in a milch cow is a source of constant loss to her owner. The profit of the cow should come, all of it, while she is productive in the dairy.

THE DINING ROOM.

Meat and cream soups are generally served with unbuttered bread or squares of toast.

Oysters or clam soup may be accompanied with pickles and crackers.

Vermicelli and kindred soups with grated cheese.

Plain boiled macaroni with drawn butter, sliced cucumbers and potatoes in all ways may be served with fish.

Where a baked or boiled fish is the substantial dish, potatoes, tomatoes and macaroni may be used. Any and all vegetables are suited to beef and mutton.

Beans and peas should accompany pork.

Peas and tomatoes blend with lamb and sweetbreads. Mushrooms may also be served with sweetbreads.

Corned beef is suited with carrots, turnips, cabbage, kohl-rabi, and may also be garnished with pickled beets.

Boiled rice, stewed celery or cauliflower should be served with boiled fowl, or turkey with oyster or egg sauce.

Roast chicken may have as a garnish rice croquettes and baked tomatoes, peas and macaroni may be served with it.

Apple sauce or fried apples, sweet and white potatoes and tomatoes will blend with pork.

Roast turkey and cranberry sauce or an acid jelly should be served with potato croquettes, peas, tomatoes and scalloped oysters.

Spinach should be served with lamb or mutton.

Game may be served with sour orange sauce, currant or plum jelly.

French fried or Saratoga potatoes, tomatoes, peas or asparagus tops are suited to game, or they may be served with the salad.

Braised liver may have served with it mashed potatoes, squash, or stuffed egg-plant.

Stewed cucumbers, corn, lima beans, peas and tomatoes may be served with almost any kind of meat, but never serve corn with poultry and game, it is too suggestive.

Boiled leg of mutton should be served with caper sauce, boiled rice, cauliflower or stewed cabbage.

—*Table Talk.*

Books, Catalogues &c.

The Speech of Hon. R. R. Hitt, of Illinois on Commercial Union with Canada.

Annual Report of the Connecticut Agricultural Experiment Station—Parts 1 & 2.

The Spring Catalogue of Grape Vines from Geo. S. Josselyn, Fredonia, N. Y.

Good Housekeeping, Springfield, Mass., is as attractive as ever. It has won an envied place among the appreciative public.

The Transactions of the Massachusetts Horticultural Society for 1888 make a fine volume. We also have Schedule of Prizes for 1889, for reference by those interested.

From Dept. of State, Reports from U. S. Consuls.

Catalogue, with the description and prices of the Hulbert Fence & Wire Co.

One of the most attractive volumes we have latterly received in this line, is Vol. II. of the Holstein Friesian Advanced Register. Address S. Hoxie, Whitesboro, N. Y.

A very complete as well as handsome seed catalogue reaches us from Vilmorin-Andrieux & Co., Paris, France.

Small Fruit Plants—Pedigree—G. H. & J. H. Hale, South Glastonbury, Conn.

General Catalogue of Nursery Stock and Small Fruits—Green's Nursery Co., Rochester, N. Y.

Cox's Seed Annual, Vegetables and Flowers of beauty characteristic of California—Thomas A. Cox & Co., San Francisco, Cal.

The Century, with such wondrous industry searches out all that is beautiful and interesting that no one can be at a loss or at fault when he becomes a constant reader of it.

Harper's Monthly is rich in literary contents and in embellishment. Perfection of paper, type and print, also makes it a pleasant companion for all.

The Delineator for April is still abreast of the times, and will richly repay every lady who seeks to know what to wear and how best to keep up with the general fashionable modes of dress.

The Horticultural Art Journal for March brings its wealth of illustration of fruit and flowers as usual. The white Moss Rose is especially beautiful. The

subscription price is \$3.00 a year. We will give a year's subscription of the Maryland Farmer free to every one who sends us \$3.00 for this unsurpassed Art Journal.

State Prison Life published by O. A. Browning & Co., is a healthy book as well as an intensely interesting one.

From J. S. Ogilvie, N. Y., two of their Red Cover Series, A Missing Husband and Fun and Fact.




BEAUTY
of
Skin & Scalp
RESTORED
* by the *
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Remedies.


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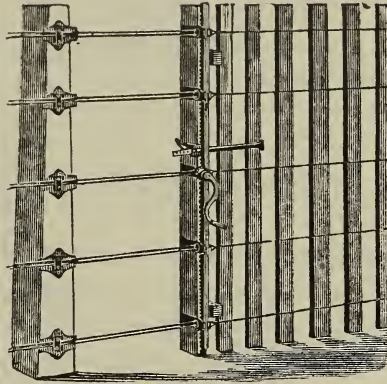
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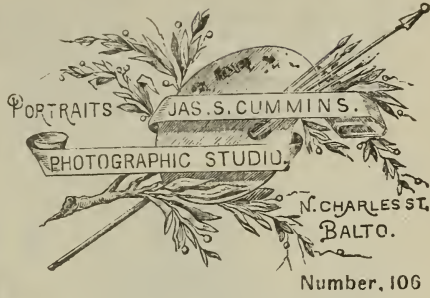
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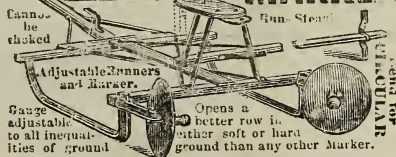
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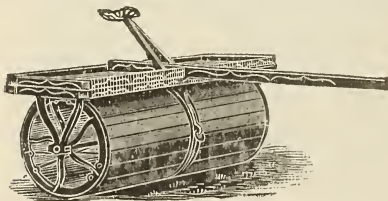
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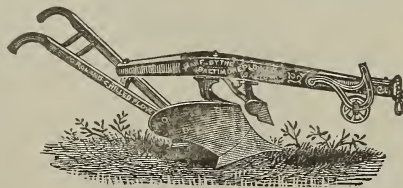
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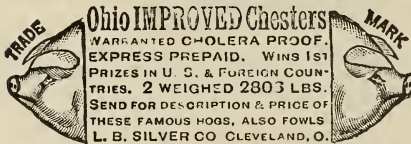
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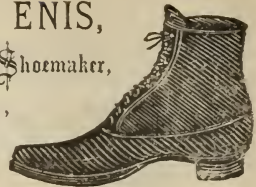
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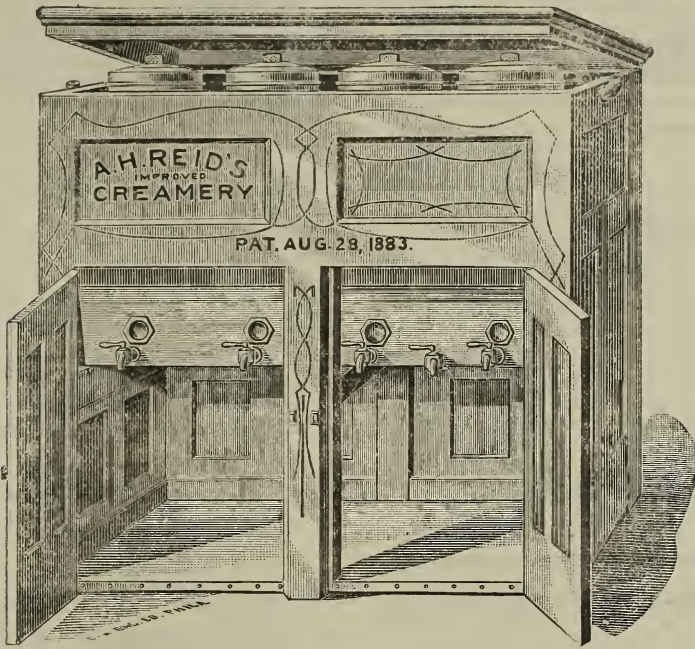
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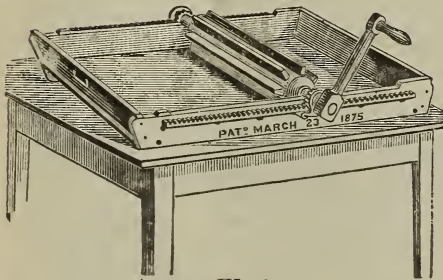
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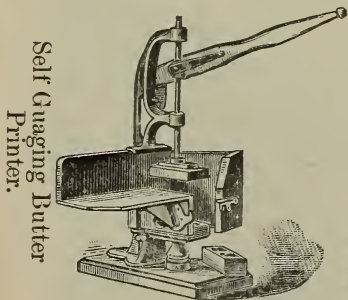
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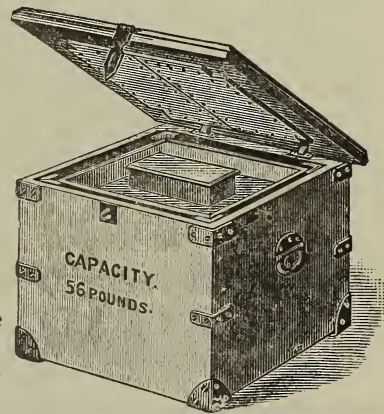


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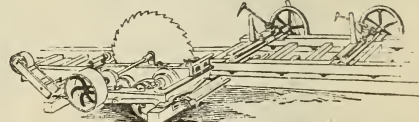
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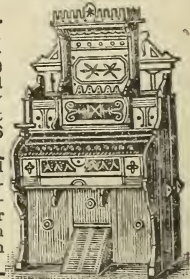
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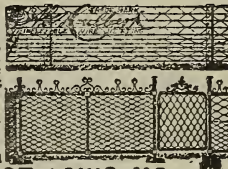
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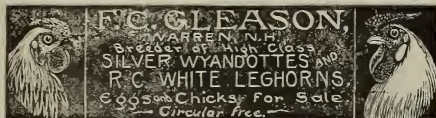
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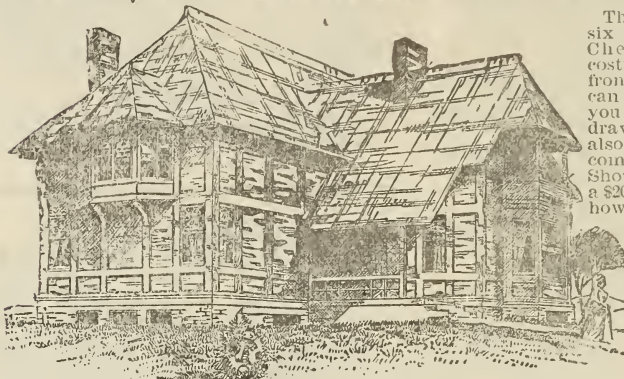
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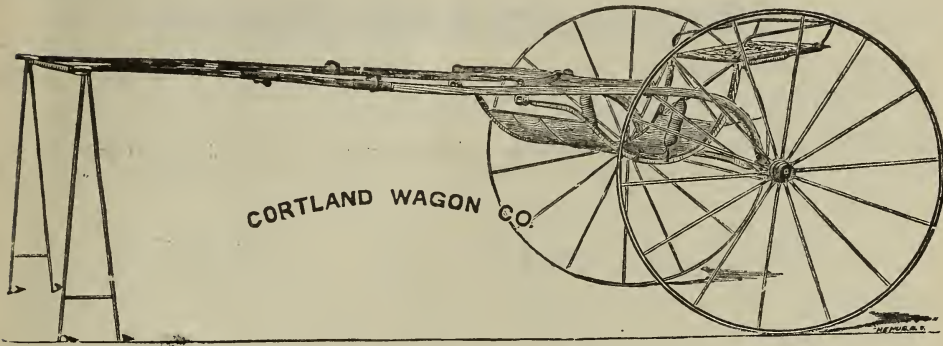
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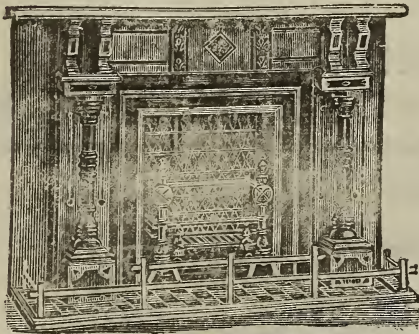
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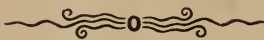
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